

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Reclamation District No. 0349 Sutter Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	1.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/27/2014 - 03/27/2014			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start		Rating **	M	Issue No.	2
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0349_01_s _ 2012_2				
Action/Comments					

No Photos

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0349_01_s _ 2012_3				
Action/Comments					

No Photos

LM Start		Rating **	M	Issue No.	7
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD0349_01_s _ 2012_7				
Action/Comments					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	1
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327011 °	38.321974 °
				-121.576973 °	-121.578362 °
DWR ID	DWR_RD0349_01_f_2013_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips\_s\_20140407\_626.JPG



Looking downstream from levee mile 0.00 landside slope and toe.  
Photo taken 03-27-2014.

LM Start	0.00	Rating **	U	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.327004 °	38.327009 °
				-121.577011 °	-121.577013 °
DWR ID	DWR_RD0349_01_s_2012_5				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: There are trees at this location that can be trimmed up to see the ground.					

Photo 1 of 1 : phillips\_s\_20140407\_627.JPG



Looking downstream from levee mile 0.00 unsatisfactory woody tree growth on waterside. Photo taken 3-27-2014.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.12	Rating **	U	Issue No.	8
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.325323 °	38.325323 °
				-121.577431 °	-121.577431 °
DWR ID	DWR_RD0349_01_f_2012_8				
Action/Comments					
Tree or limb					
Inspector Comments: This tree and stump need to be removed from levee section, this is not a new issue.					

Photo 1 of 1 : phillips\_s\_20140407\_630.JPG



Unsatisfactory dead tree on waterside slope. Photo taken 03-27-2014.

LM Start	0.33	Rating **	M	Issue No.	11
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322338 °	38.314950 °
				-121.578348 °	-121.579148 °
DWR ID	DWR_RD0349_01_s_2013_11				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.34	Rating **	U	Issue No.	27
LM End	0.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322265 °	38.322265 °
				-121.578398 °	-121.578398 °
DWR ID	DWR_RD0349_01_s_2014_27				
Action/Comments					
Material					

Photo 1 of 1 : phillips\_s\_20140407\_628.JPG



Unsatisfactory pile of concrete foundation blocks on levee toe. Photo taken 3-27-2014.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.47	Rating **	M	Issue No.	20
LM End	0.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.320476 °	38.320476 °
				-121.578616 °	-121.578616 °
DWR ID	DWR_RD0349_01_s _ 2014_20				
Action/Comments					
Inspector Comments: FS_ID:21564					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Exposed section of levee lope on landward side--need to contact owner and DWR inspector. Burrow activity noticed at crossing 10 inch holes. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 8-inch steel pipe measured (instead of 10-inch) sleeved through a 12-inch steel pipe, 6.6 feet below the crown. Annular gap grouted at both ends. Active centrifugal pump on platform at landward toe. Inactive slant pump on steel platform on waterward slope. Exposed section pipe on waterward slope. Service pole on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.5). Pipe sleeved through pre-existing pipe under Permit No. 3382 (1960).					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2515.jpg



View of pipe on waterward side with rip rap on toe--dense vegetation on slope.

LM Start	0.49	Rating **	M	Issue No.	9
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320046 °	38.316374 °
				-121.578714 °	-121.579202 °
DWR ID	DWR_RD0349_01_f _ 2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.60	Rating **	M	Issue No.	16
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318530 °	38.318530 °
				-121.578980 °	-121.578983 °
DWR ID	DWR_RD0349_01_f_2013_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.60	Rating **	M	Issue No.	14
LM End	0.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.318530 °	38.318530 °
				-121.578983 °	-121.578983 °
DWR ID	DWR_RD0349_01_f_2013_14				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.60	Rating **	M	Issue No.	15
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318530 °	38.315108 °
				-121.578983 °	-121.579188 °
DWR ID	DWR_RD0349_01_f_2013_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.61	Rating **	U	Issue No.	29
LM End	0.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318472 °	38.318397 °
				-121.579020 °	-121.579042 °
DWR ID	DWR_RD0349_01_s _ 2014_29				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips\_s\_20140407\_625.JPG



Unsatisfactory woody growth on landside slope and toe. Photo taken 3-27-2014.

LM Start	0.61	Rating **	U	Issue No.	28
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318472 °	38.316881 °
				-121.579021 °	-121.579162 °
DWR ID	DWR_RD0349_01_s _ 2014_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips\_s\_20140407\_629.JPG



Wild growth on water side slope and toe, looking downstream. Photo taken 3-27-2014.

LM Start	0.61	Rating **	M	Issue No.	17
LM End	0.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.318409 °	38.318409 °
				-121.579010 °	-121.579010 °
DWR ID	DWR_RD0349_01_f _ 2013_17				
Action/Comments					
Tree or limb					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	30
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.316506 °	38.316466 °
				-121.579173 °	-121.579209 °
DWR ID	DWR_RD0349_01_s _ 2014_30				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.87	Rating **	U	Issue No.	32
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.314581 °	38.313901 °
				-121.579133 °	-121.579029 °
DWR ID	DWR_RD0349_01_s _ 2014_32				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips\_s\_20140520\_05894.jpg



Woody tree growth on slope .

LM Start	0.87	Rating **	M	Issue No.	31
LM End	0.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.314584 °	38.314584 °
				-121.579137 °	-121.579137 °
DWR ID	DWR_RD0349_01_s _ 2014_31				
Action/Comments					
Tree or limb					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.87	Rating **	M	Issue No.	22
LM End	0.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.314672 °	38.314672 °
				-121.579102 °	-121.579102 °
DWR ID	DWR_RD0349_01_s _ 2014_22				
Action/Comments					
Inspector Comments: FS_ID:21572					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No records were found during intial desk study--need to contact owner to obtain permit number authorizing work. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: Abandoned 8-inch pipe through the levee, 13.9 feet below the crown. Pump on platform at landward toe. Service pole on landward slope.					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2532.jpg



View of pump house, concrete stand pipe, and utility pole.

LM Start	0.94	Rating **	M	Issue No.	33
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.313691 °	38.311393 °
				-121.578951 °	-121.578237 °
DWR ID	DWR_RD0349_01_s _ 2014_33				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.97	Rating **	M	Issue No.	18
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.313356 °	38.311157 °
				-121.578868 °	-121.578144 °
DWR ID	DWR_RD0349_01_f_2013_18				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.03	Rating **	M	Issue No.	23
LM End	1.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.312496 °	38.312496 °
				-121.578625 °	-121.578625 °
DWR ID	DWR_RD0349_01_s_2014_23				
Action/Comments					
Inspector Comments: FS_ID:21566					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Exposed section of levee lope on landward side--need to contact owner and DWR inspector. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 14-inch pipe (waterward shoulder) and 12-inch pipe (landward shoulder) through the levee, 4.7 feet below the crown. Gate valve on the waterward slope. Pump in pumphouse on landward slope. Pressure breaker behind pumphouse. Pipe exposed on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1).					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2519.jpg



View of landward slope--open cut.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.05	Rating **	M	Issue No.	4
LM End	1.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.312174 °	38.311628 °
				-121.578490 °	-121.578271 °
DWR ID	DWR_RD0349_01_s_2012_4				
Action/Comments					
Landscaping					

No Photos

LM Start	1.17	Rating **	M	Issue No.	19
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.310344 °	38.309938 °
				-121.577728 °	-121.577482 °
DWR ID	DWR_RD0349_01_f_2013_19				
Action/Comments					
Tree or limb					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
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Levee Inspections**

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**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.19	Rating **	M	Issue No.	24
LM End	1.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310287 °	38.310287 °
				-121.577669 °	-121.577669 °
DWR ID	DWR_RD0349_01_s_2014_24				
Action/Comments					
Inspector Comments: FS_ID:21573					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 2007 DWR erosion repair site location?--need to find out fate of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: Old pumphouse at landward toe. Pressure breaker on landward side. Check for pipes extending through levee from pumphouse. Add field description of crossing, if present.					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2534.jpg



Geotech fabric and protective frame at tree--design features of erosion repair site 2007-2009.

LM Start	1.22	Rating **	M	Issue No.	34
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.309858 °	38.309858 °
				-121.577433 °	-121.577430 °
DWR ID	DWR_RD0349_01_s_2014_34				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : phillips\_s\_20140520\_05896.jpg



Trees need to be trimmed up and thinned out to see slope.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.24	Rating **	U	Issue No.	35
LM End	1.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.309643 °	38.309643 °
				-121.577271 °	-121.577271 °
DWR ID	DWR_RD0349_01_s _ 2014_35				
Action/Comments					
Tree or limb					

Photo 1 of 1 : phillips\_s\_20140520\_05895.jpg



Fallen tree on landward slope, cut up and remove from levee section.

LM Start	1.31	Rating **	M	Issue No.	6
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.308790 °	38.305123 °
				-121.576735 °	-121.574655 °
DWR ID	DWR_RD0349_01_s _ 2012_6				
Action/Comments					
Landscaping					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.36	Rating **	M	Issue No.	25
LM End	1.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.308143 °	38.308143 °
				-121.576215 °	-121.576215 °
DWR ID	DWR_RD0349_01_s _ 2014_25				
Action/Comments					
Inspector Comments: FS_ID:21574					
EP_NO: 18262					
Repair Type:					
Crossing Status:					
UCIP Comments: 2007 DWR erosion repair site location?--need to contact owner to determine if crossing is still in use. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 7-inch pipe sleeved through a 10-inch pipe through the levee, 3.2 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breakers at shoulder. Sump at landside toe. Pump and gate valve in pumphouse and anchor block on the waterward slope. (Permit No. 18262-2007)					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2537.jpg



Damage shed houses crossing appurtenances such as control panel, power source, piping and valves.

LM Start	1.44	Rating **	M	Issue No.	21
LM End	1.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307117 °	38.306600 °
				-121.575524 °	-121.575210 °
DWR ID	DWR_RD0349_01_s _ 2012_21				
Action/Comments					
Landscaping					
Inspector Comments: Landowner need to keep the landscaping maintained.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.47	Rating **	M	Issue No.	26
LM End	1.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.306760 °	38.306760 °
				-121.575312 °	-121.575312 °
DWR ID	DWR_RD0349_01_s _ 2014_26				
Action/Comments					

Inspector Comments: FS\_ID:21571

EP\_NO: 12005

Repair Type:

Crossing Status:

UCIP Comments: 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD\_STRUCT\_DESC: 6-inch steel irrigation pipe, 4.0 feet below the crown. Siphon breaker and protective housing at levee shoulder. Pump on waterward side. Pipe exposed on waterward slope, extending to pump. Discharge structure at landward toe. (Permit No. 12005-1977) FS Date: 3/18/2009

Photo 1 of 1 : UCIP\_2526.jpg



View of landward side.

LM Start	1.49	Rating **	U	Issue No.	12
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.306225 °	38.305122 °
				-121.574983 °	-121.574707 °
DWR ID	DWR_RD0349_01_f _ 2012_12				
Action/Comments					

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Bamboo blocks visibility of the slope, needs to be removed from levee section. This growth need to be removed visibility is completely blocked.

Photo 1 of 1 : phillips\_s\_20140407\_631.JPG



Unsatisfactory growth of bamboo on waterside slope and shoulder.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.54	Rating **	M	Issue No.	13
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.305600 °	38.305600 °
				-121.574740 °	-121.574740 °
DWR ID	DWR_RD0349_01_s _ 2013_13				
Action/Comments					
Retaining Wall					
Inspector Comments: At this location there are several issues, the wall has been backfilled with earthen material that was wheel rolled. Don't know what the compaction is. Installed 2013 without permit. The Board is in processof working with landowner and his lawyer. Pending.					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway			Bank	Unit Miles
Unit No. 02 Steamboat Slough			Right	4.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/27/2014 - 03/27/2014			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	-0.01	Rating **	U	Issue No.	26
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID					

**Action/Comments**

Inspector Comments: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2013: No observed changes. [2013 Site ID: STM\_24-7\_R]

Photo 1 of 1 : USACE2013A\_STM\_24-7\_R\_2.jpg



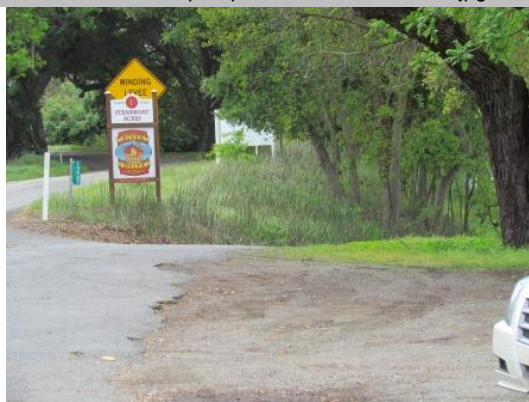
USACE 2013 Photo #1

LM Start	0.00	Rating **	M	Issue No.	25
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287955 °	38.287571 °
				-121.584134 °	-121.584176 °
DWR ID	DWR RD0349 02 f 2013 25				

**Action/Comments**

Control annual grass and weeds on the levee slopes and easements.

Photo 1 of 1 : phillips\_s\_20140520\_05898.jpg



Sutter Slough levee mile 0.00 looking downstream from landside shoulder. Photo taken 3-27-2014.

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	71
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305097 °	38.304780 °
				-121.574925 °	-121.576177 °
DWR ID	DWR_RD0349_02_s _ 2014_71				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.02	Rating **	U	Issue No.	4
LM End	0.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304870 °	38.304870 °
				121.574730 °	121.574730 °
DWR ID	DWR_RD0349_02_s _ 2012_4				
Action/Comments					
Building					
Inspector Comments: This encroachment along the waterward slope was not authorized by the CVFPB. There are multiple encroachments at this site. Owner working with CVFPB to get permits. 11-2013. The works are still pending 2014.					

Photo 1 of 2 : phillips\_s\_20140520\_05899.jpg



Unauthorized building waterside shoulder Unit 2 Sutter Slough.

**\* Location**  
 LS : Land Side  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.02	Rating **	U	Issue No.	4 (cont)	
LM End	0.02	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.304870 °		38.304870 °
				121.574730 °		121.574730 °
DWR ID	DWR_RD0349_02_s _ 2012_4					
Action/Comments						
Building						
Inspector Comments: This encroachment along the waterward slope was not authorized by the CVFPB. There are multiple encroachments at this site. Owner working with CVFPB to get permits. 11-2013. The works are still pending 2014.						

Photo 2 of 2 : phillips\_s\_20140520\_05900.jpg



Unauthorized fence adjacent to building waterside Sutter Slough.

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305024 °	38.305024 °
				-121.575155 °	-121.575155 °
DWR ID	DWR_RD0349_02_s _ 2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.04	Rating **	M	Issue No.	51
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304900 °	38.304811 °
				-121.575680 °	-121.575591 °
DWR ID	DWR_RD0349_02_s _ 2013_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.08	Rating **	M	Issue No.	14
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304720 °	38.304720 °
				-121.576170 °	-121.576171 °
DWR ID	DWR_RD0349_02_f_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.10	Rating **	M	Issue No.	32
LM End	0.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304606 °	38.304606 °
				-121.576323 °	-121.576323 °
DWR ID	DWR_RD0349_02_s_2014_32				
Action/Comments					
Inspector Comments: FS_ID:21577					
EP_NO: 2480					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box with gate valve at the landward toe. Service pole and anchor on the landward slope. (Permit No. 2480-1959)					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2548.jpg



Dense vegetation on waterward slope-2 pipes and 1 conduit.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.10	Rating **	M	Issue No.	42
LM End	0.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304606 °	38.304606 °
				-121.576323 °	-121.576323 °
DWR ID	DWR_RD0349_02_s _ 2014_42				
Action/Comments					
Inspector Comments: FS_ID:21576					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box at the landward toe. Service pole and anchor on the landward slope.					
FS Date: 3/18/2009					

No Photos

LM Start	0.12	Rating **	M	Issue No.	6
LM End	0.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304443 °	38.304443 °
				-121.576687 °	-121.576687 °
DWR ID	DWR_RD0349_02_f _ 2013_6				
Action/Comments					
Debris					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2014

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.12	Rating **	U	Issue No.	72
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304462 °	38.304118 °
				-121.576742 °	-121.577262 °
DWR ID	DWR_RD0349_02_s _ 2014_72				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Unsatisfactory grapes growing on levee slope, remove from levee section.					

Photo 1 of 1 : phillips\_s\_20140520\_05907.jpg



Unwanted wild grapes growing on levee shoulder and slope blocking view of levee section.

LM Start	0.13	Rating **	M	Issue No.	46
LM End	0.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304345 °	38.304345 °
				-121.576824 °	-121.576824 °
DWR ID	DWR_RD0349_02_s _ 2014_46				
Action/Comments					
Inspector Comments: FS_ID:21613					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 3-inch pipe through the levee, 3.3 feet below the crown. Gate valve on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.1).					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2610.jpg



View of crossing on landward side.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.14	Rating **	M	Issue No.	8
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304244 °	38.304114 °
				-121.577020 °	-121.577278 °
DWR ID	DWR_RD0349_02_f_2013_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.15	Rating **	M	Issue No.	10
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304215 °	38.304151 °
				-121.577098 °	-121.577179 °
DWR ID	DWR_RD0349_02_s_2012_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Wild grapes growing on the landward slope.					

No Photos

LM Start	0.16	Rating **	M	Issue No.	73
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304117 °	38.304117 °
				-121.577263 °	-121.577263 °
DWR ID	DWR_RD0349_02_s_2014_73				
Action/Comments					
Material					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.21	Rating **	M	Issue No.	7
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303673 °	38.303303 °
				-121.578065 °	-121.578695 °
DWR ID	DWR_RD0349_02_s_2012_7				
Action/Comments					
Landscaping					

No Photos

LM Start	0.21	Rating **	M	Issue No.	34
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303640 °	38.302940 °
				-121.578006 °	-121.579295 °
DWR ID	DWR_RD0349_02_f_2012_34				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.28	Rating **	M	Issue No.	48
LM End	0.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.303072 °	38.303072 °
				-121.579066 °	-121.579066 °
DWR ID	DWR_RD0349_02_s_2014_48				
Action/Comments					
Inspector Comments: FS_ID:21614					
EP_NO: 12006					
Repair Type:					
Crossing Status:					
UCIP Comments: Altered crossing--contact owner to obtain new permit authoring work. Debris remains on site. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.0 feet below the crown. 3-inch conduit through levee to service pump. Steel cutoff wall around pipe at center of levee. Siphon breaker in concrete riser at landward shoulder. Gate valve on landward side. Pump on concrete pad on waterward slope. Discharge structure at landward toe. (Permit No. 12006-1977)					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2612.jpg



New configuration--sections of pipe have been abandoned.

LM Start	0.29	Rating **	M	Issue No.	28
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.301772 °	38.302358 °
				-121.580093 °	-121.579707 °
DWR ID					
Action/Comments					
Inspector Comments: 2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2013: No observed changes. [2013 Site ID: STM_25-8_R]					

Photo 1 of 1 : USACE2013A\_STM\_25-8\_R\_2.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.33	Rating **	M	Issue No.	11
LM End	0.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.302593 °	38.302593 °
				-121.579807 °	-121.579807 °
DWR ID	DWR_RD0349_02_f_2013_11				
Action/Comments					
Debris					

No Photos

LM Start	0.34	Rating **	U	Issue No.	95
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.302358 °	38.302358 °
				-121.579710 °	-121.579710 °
DWR ID	DWR_RD0349_02_s_2014_95				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: These young trees need to be removed from the levee section.					

Photo 1 of 1 : phillips\_s\_20140520\_05901.jpg



Unwanted wild growth of willow trees on landside slope and toe.

LM Start	0.36	Rating **	U	Issue No.	13
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.302201 °	38.300838 °
				-121.580149 °	-121.580776 °
DWR ID	DWR_RD0349_02_f_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips\_s\_20140520\_05902.jpg



Unwanted tall reed grasses out of control on the landside slope.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2014

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	50
LM End	0.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299353 °	38.299353 °
				-121.581525 °	-121.581525 °
DWR ID	DWR_RD0349_02_s_2014_50				
Action/Comments					
Inspector Comments: FS_ID:21615					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to contact owner (Permit No. 3678) to determine if crossing is still in use. If crossing is not in use will need to coordinate with DWR Inspector and CVFPB to remove pipe according to Title 23 requirements. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 6-inch irrigation pipe through the levee, 2.5 feet below the crown. Pump on waterward slope. Service pole at landward shoulder. 3-inch conduit through levee to service pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.6). Pump replaced and placed on concrete pad on waterward slope under Permit No. 3678 (1961). FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2619.jpg



View of landward side--it appears PVC pipe was sleeved through existing crossing.

LM Start	0.60	Rating **	M	Issue No.	27
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2013: No observed changes. [2013 Site ID: STM 25-5 R]					

Photo 1 of 1 : USACE2013A\_STM\_25-5\_R\_7.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.65	Rating **	M	Issue No.	75
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.298400 °	38.297758 °
				-121.582183 °	-121.582391 °
DWR ID	DWR_RD0349_02_s _ 2014_75				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.70	Rating **	M	Issue No.	76
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297726 °	38.292525 °
				-121.582440 °	-121.583870 °
DWR ID	DWR_RD0349_02_s _ 2014_76				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.71	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297573 °	38.289625 °
				-121.582474 °	-121.584110 °
DWR ID	DWR_RD0349_02_f _ 2013_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.73	Rating **	M	Issue No.	57
LM End	0.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.297284 °	38.297284 °
				-121.582418 °	-121.582418 °
DWR ID	DWR_RD0349_02_s _ 2014_57				
Action/Comments					

Inspector Comments: FS\_ID:21603

EP\_NO: 14276

Repair Type:

Crossing Status:

UCIP Comments: Structure appears to be altered (no pump house or siphon breaker present)--need to contact owner. If pipe is no longer used need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD\_STRUCT\_DESC: 8-inch steel drainage pipe through the levee, 1.0 foot below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker and protective housing at levee shoulder. Pump in pumphouse and service pole with anchor at landward toe. (Permit No. 14276-1986)

FS Date: 3/18/2009

Photo 1 of 1 : UCIP\_2563.jpg



View of pipe and conduit located on waterward shoulder.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	61
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.297205 °	38.297205 °
				-121.582400 °	-121.582400 °
DWR ID	DWR_RD0349_02_s _ 2014_61				
Action/Comments					
Inspector Comments: FS_ID:21604					
EP_NO: 12007					
Repair Type:					
Crossing Status:					
UCIP Comments: If crossing is no longer used will need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Pump on concrete pad on waterward slope. Discharge structure at landward toe. (Permit No. 12007-1977)					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2570.jpg



View of landward side--unable to determine structure at the center of photo.

LM Start	0.82	Rating **	M	Issue No.	971
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.296011 °	38.296011 °
				-121.582736 °	-121.582736 °
DWR ID	DWR_RD0349_02_s _ 2012_971				
Action/Comments					
Equipment					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.82	Rating **	M	Issue No.	67
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.296005 °	38.295862 °
				-121.582838 °	-121.582900 °
DWR ID	DWR_RD0349_02_s _ 2012_67				
Action/Comments					
Material					

No Photos

LM Start	0.84	Rating **	M	Issue No.	12
LM End	0.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295753 °	38.294985 °
				-121.582838 °	-121.583147 °
DWR ID	DWR_RD0349_02_s _ 2012_12				
Action/Comments					
Landscaping					

No Photos

LM Start	0.84	Rating **	U	Issue No.	77
LM End	0.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295708 °	38.294014 °
				-121.582920 °	-121.583411 °
DWR ID	DWR_RD0349_02_s _ 2014_77				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Growth taller than 24 inches, (horse tail).					

Photo 1 of 1 : phillips\_s\_20140520\_05908.jpg



Unwanted tall reid grasses on the landward slope.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.87	Rating **	M	Issue No.	17
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.295352 °	38.295352 °
				-121.583047 °	-121.583047 °
DWR ID	DWR_RD0349_02_f_2013_17				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.98	Rating **	M	Issue No.	20
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.293623 °	38.287236 °
				-121.583521 °	-121.584527 °
DWR ID	DWR_RD0349_02_f_2013_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.98	Rating **	U	Issue No.	78
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.293620 °	38.293548 °
				-121.583499 °	-121.583524 °
DWR ID	DWR_RD0349_02_s_2014_78				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Unsatisfactory growth of bamboo on levee toe and slope. Unable to flood fight in area.					

Photo 1 of 1 : phillips\_s\_20140520\_05909.jpg



Wild growth blocking view of the landside levee slope and toe.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.00	Rating **	U	Issue No.	79
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.293383 °	38.292592 °
				-121.583570 °	-121.583861 °
DWR ID	DWR_RD0349_02_s _ 2014_79				
Action/Comments					
Repair slope instability. Inspector Comments: The erosion was covered over by the piles of tree trimmings, now that they are being burned the erosion can be seen.					

Photo 1 of 2 : phillips\_s\_20140520\_05903.jpg



Here at this burn site the bank has some erosion occurring.

LM Start	<b>1.00</b>	Rating **	U	Issue No.	<b>79 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : phillips\_s\_20140520\_05904.jpg



Just another view of the erosion along the slope. The erosion was blocked from view by the burn pile.

LM Start	1.06	Rating **	M	Issue No.	9
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292650 °	38.292493 °
				-121.583830 °	-121.583872 °
DWR ID	DWR_RD0349_02_s _ 2012_9				
Action/Comments					
Debris					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.07	Rating **	M	Issue No.	81
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292525 °	38.267185 °
				-121.583870 °	-121.588506 °
DWR ID	DWR_RD0349_02_s _ 2014_81				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.08	Rating **	M	Issue No.	62
LM End	1.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292411 °	38.292411 °
				-121.583897 °	-121.583897 °
DWR ID	DWR_RD0349_02_s _ 2014_62				
Action/Comments					
Inspector Comments: FS_ID:21605 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 12-inch pipe and electrical conduit through the levee, both 4.0 feet below the crown. Pump on pile structure in the stream with walkway. Hand primer pump in pumphouse and power pole at the landward toe. Concrete standpipes and distribution boxes with gates at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1). Pumphouse relocated and electrical conduit installed under Permit No. 5487 (1967). FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2574.jpg



Overview of crossing from waterward side.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.10	Rating **	M	Issue No.	33
LM End	1.10	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292080 °	38.292080 °
				-121.584026 °	-121.584026 °
DWR ID	DWR_RD0349_02_s _ 2013_33				
Action/Comments					
Garbage					

No Photos

LM Start	1.10	Rating **	M	Issue No.	44
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292080 °	38.292080 °
				-121.584026 °	-121.584026 °
DWR ID	DWR_RD0349_02_s _ 2013_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.14	Rating **	U	Issue No.	82
LM End	1.34	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291501 °	38.288734 °
				-121.584165 °	-121.584013 °
DWR ID	DWR_RD0349_02_s _ 2014_82				
Action/Comments					
Prunings					

Photo 1 of 1 : phillips\_s\_20140520\_05905.jpg



Tree trimmings at waters edge blocking view of bank.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.33	Rating **	M	Issue No.	18
LM End	1.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288913 °	38.288745 °
				-121.583933 °	-121.583938 °
DWR ID	DWR_RD0349_02_s _ 2012_18				
Action/Comments					
Landscaping					

No Photos

LM Start	1.34	Rating **	M	Issue No.	24
LM End	1.34	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.288744 °	38.288742 °
				-121.584069 °	-121.584069 °
DWR ID	DWR_RD0349_02_f _ 2013_24				
Action/Comments					
Debris					

No Photos

LM Start	1.34	Rating **	U	Issue No.	83
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.288735 °	38.288731 °
				-121.584013 °	-121.584011 °
DWR ID	DWR_RD0349_02_s _ 2014_83				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody growth; unable to see ground nor do a flood fight.					

Photo 1 of 1 : phillips\_s\_20140520\_05906.jpg



Woody tree growth blocks view of landside levee section.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.36	Rating **	M	Issue No.	84
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288465 °	38.265924 °
				-121.584025 °	-121.588381 °
DWR ID	DWR_RD0349_02_s _ 2014_84				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.36	Rating **	M	Issue No.	85
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288368 °	38.287800 °
				-121.584033 °	-121.584039 °
DWR ID	DWR_RD0349_02_s _ 2014_85				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.39	Rating **	M	Issue No.	63
LM End	1.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.287925 °	38.287925 °
				-121.584063 °	-121.584063 °
DWR ID	DWR_RD0349_02_s_2014_63				
Action/Comments					
Inspector Comments: FS_ID:21606 EP_NO: 6274 Repair Type: Crossing Status: UCIP Comments: Crossing appears to have been altered--recommend coordinating with owner to determine records for crossing. Will need permit issued for pipe install. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 3.0 feet below the crown. Cutoff wall around pipe at waterward shoulder. Siphon breaker at landward shoulder. Air vent and pressure breaker on waterward slope. Slant pump on the waterward slope. Concrete distribution box at landward toe. (Permit No. 6274-1974) FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2578.jpg



View of abandoned framing located on river's edge.

LM Start	1.50	Rating **	M	Issue No.	37
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286819 °	38.285260 °
				-121.585152 °	-121.587501 °
DWR ID	DWR_RD0349_02_f_2013_37				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.50	Rating **	M	Issue No.	86
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286720 °	38.285706 °
				-121.585194 °	-121.586872 °
DWR ID	DWR_RD0349_02_s _ 2014_86				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.63	Rating **	M	Issue No.	64
LM End	1.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.285573 °	38.285573 °
				-121.586986 °	-121.586986 °
DWR ID	DWR_RD0349_02_s _ 2014_64				
Action/Comments					
Inspector Comments: FS_ID:21607					
EP_NO: 1116					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Two concrete cutoff walls under each shoulder. Pressure breaker in concrete riser at levee shoulder. Pump on waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.7). Pipe reconstructed under Permit No. 1116 (1974).					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2584.jpg



View of waterward side.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.72	Rating **	M	Issue No.	87
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284624 °	38.284118 °
				-121.588409 °	-121.588880 °
DWR ID	DWR_RD0349_02_s _ 2014_87				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.84	Rating **	M	Issue No.	65
LM End	1.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.283238 °	38.283238 °
				-121.589337 °	-121.589337 °
DWR ID	DWR_RD0349_02_s _ 2014_65				
Action/Comments					
Inspector Comments: FS_ID:21608 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.9 feet below the crown. Siphon breaker in concrete riser on the landward shoulder. Pump and gate valve in pumphouse on the waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.9). FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2586.jpg



View of pipe daylight at shed on waterward side.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.00	Rating **	M	Issue No.	21
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013: Short vertical sections observed at upstream end. [2013 Site ID: STM_23-9_R]					

Photo 1 of 1 : USACE2013A\_STM\_23-9\_R\_5.jpg



USACE 2013 Photo #1

LM Start	2.05	Rating **	M	Issue No.	23
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Small scallop caused by erosion and wave wash. 2013: No observed changes. [2013 Site ID: STM 24-1 R]					

Photo 1 of 1 : USACE2013A\_STM\_24-1\_R\_1.jpg



USACE 2013 Photo #1

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2014

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.16	Rating **	M	Issue No.	66
LM End	2.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278682 °	38.278682 °
				-121.590104 °	-121.590104 °
DWR ID	DWR_RD0349_02_s_2014_66				
Action/Comments					
Inspector Comments: FS_ID:21609					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Debris scattered--need to contact owner. If crossing is not in used will need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe sleeved through 12-inch pipe through the levee, 4.0 feet below the crown. Annular gap not grouted. Service pole on the waterward shoulder. Pump on the waterward side. Concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.3).					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2593.jpg



Pipe and conduit daylight next to pump house on waterward side.

LM Start	2.20	Rating **	M	Issue No.	38
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278187 °	38.275359 °
				-121.590437 °	-121.591171 °
DWR ID	DWR_RD0349_02_f_2013_38				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.37	Rating **	U	Issue No.	88
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275784 °	38.275690 °
				-121.591359 °	-121.591322 °
DWR ID	DWR_RD0349_02_s _ 2014_88				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Bambo on landside slope and toe levee 2.39.					

Photo 1 of 1 : phillips\_s\_20140520\_05911.jpg



Levee toe taken over by wild growth of bambo.

LM Start	2.39	Rating **	U	Issue No.	94
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275585 °	38.275275 °
				-121.591327 °	-121.591035 °
DWR ID	DWR_RD0349_02_s _ 2014_94				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips\_s\_20140520\_05913.jpg



Woody tree growth and vines completely blocks view of levee section.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.40	Rating **	M	Issue No.	68
LM End	2.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275493 °	38.275493 °
				-121.591208 °	-121.591208 °
DWR ID	DWR_RD0349_02_s _ 2014_68				
Action/Comments					
Inspector Comments: FS_ID:21610					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limit sthe inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure on waterward side, walkway to pump.					
Concrete distribution box and power pole with anchor at landward toe.					
Concrete standpipe on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.5).					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2599.jpg



Overview of waterward side--dense vegetation limits slope inspection.

LM Start	2.41	Rating **	M	Issue No.	31
LM End	2.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275492 °	38.275092 °
				-121.591268 °	-121.590910 °
DWR ID	DWR_RD0349_02_s _ 2012_31				
Action/Comments					
Landscaping					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.43	Rating **	U	Issue No.	1
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275403 °	38.275403 °
				-121.591229 °	-121.591229 °
DWR ID	DWR_RD0349_02_f_2013_1				
Action/Comments					
Stairway Inspector Comments: The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope.					

Photo 1 of 2 : phillips\_s\_20140520\_05914.jpg



Unsatisfactory steps placed on waterward slope and toe.

LM Start	<b>2.43</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : phillips\_s\_20140520\_05915.jpg



Unauthorized boat dock at end of steps.

LM Start	2.46	Rating **	M	Issue No.	39
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274887 °	38.273485 °
				-121.590535 °	-121.588870 °
DWR ID	DWR_RD0349_02_f_2013_39				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.46	Rating **	M	Issue No.	19
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2013: No observed changes. [2013 Site ID: STM_23-6_R]					

Photo 1 of 2 : USACE2013A\_STM\_23-6\_R\_4.jpg



USACE 2013 Photo #1

LM Start	<b>2.46</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A\_STM\_23-6\_R\_5.jpg



USACE 2013 Photo #2

LM Start	2.52	Rating **	M	Issue No.	89
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.274376 °	38.272052 °
				-121.589604 °	-121.589683 °
DWR ID	DWR_RD0349_02_s_2014_89				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.64	Rating **	M	Issue No.	41
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272964 °	38.254766 °
				-121.589111 °	-121.599671 °
DWR ID	DWR_RD0349_02_f_2013_41				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.70	Rating **	M	Issue No.	49
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.271928 °	38.271928 °
				-121.589758 °	-121.589758 °
DWR ID	DWR_RD0349_02_f_2013_49				
Action/Comments					
Tree or limb					

No Photos

LM Start	2.71	Rating **	M	Issue No.	90
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272051 °	°
				-121.589683 °	°
DWR ID	DWR_RD0349_02_s_2014_90				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.89	Rating **	U	Issue No.	91
LM End	2.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269510 °	38.269276 °
				-121.589801 °	-121.589730 °
DWR ID	DWR_RD0349_02_s_2014_91				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips\_s\_20140520\_05910.jpg



Unsatisfactory wild growth on the landside levee slope and toe.

LM Start	2.90	Rating **	U	Issue No.	92
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269276 °	38.268013 °
				-121.589729 °	-121.588948 °
DWR ID	DWR_RD0349_02_s_2014_92				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips\_s\_20140520\_05916.jpg



Woody tree growth blocking view of landward levee section.

LM Start	3.00	Rating **	M	Issue No.	93
LM End	3.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268013 °	38.266893 °
				-121.588947 °	-121.588425 °
DWR ID	DWR_RD0349_02_s_2014_93				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.03	Rating **	U	Issue No.	53
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267663 °	38.267418 °
				-121.588779 °	-121.588660 °
DWR ID	DWR_RD0349_02_s _ 2013_53				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : phillips\_s\_20140521\_05918.jpg



Overgrown trees blocking view of the landside levee slope.

LM Start	3.04	Rating **	M	Issue No.	40
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267535 °	38.267530 °
				-121.588660 °	-121.588660 °
DWR ID	DWR_RD0349_02_f _ 2012_40				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.04	Rating **	M	Issue No.	69
LM End	3.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267453 °	38.267453 °
				-121.588668 °	-121.588668 °
DWR ID	DWR_RD0349_02_s _ 2014_69				
Action/Comments					
Inspector Comments: FS_ID:21611					
EP_NO: 5350					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to contact owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Debris scattered on slopes--remove. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 8-inch steel pipe and 2-inch iron electrical conduit through the levee, both 3.7 feet below the crown. Siphon breaker in protective housing on waterward slope. Pump and switch panel on concrete blocks on the waterward slope. Service pole on landward slope. (Permit No. 5350-1966)					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2602.jpg



View of waterward side--control panel and pipe.

LM Start	3.05	Rating **	M	Issue No.	54
LM End	3.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.267391 °	38.267391 °
				-121.588655 °	-121.588655 °
DWR ID	DWR_RD0349_02_s _ 2013_54				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.09	Rating **	U	Issue No.	47
LM End	4.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266800 °	38.254764 °
				-121.588479 °	-121.599671 °
DWR ID	DWR_RD0349_02_f_2013_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

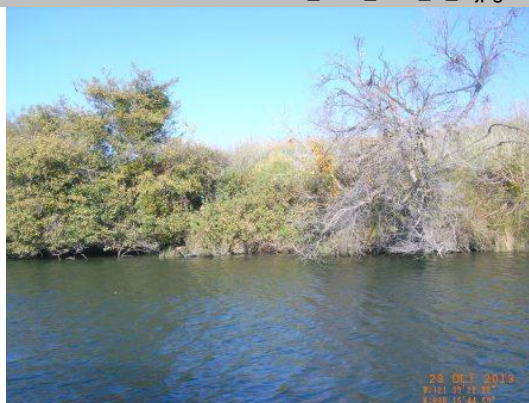
Photo 1 of 1 : phillips\_s\_20140521\_05919.jpg



Woody tree growth completely blocking view of landward levee slope.

LM Start	3.25	Rating **	M	Issue No.	3
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2013: No observed changes. [2013 Site ID: STM_22-8_R]					

Photo 1 of 1 : USACE2013A\_STM\_22-8\_R\_6.jpg



USACE 2013 Photo #1

LM Start	3.52	Rating **	A/W	Issue No.	55
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262779 °	38.262705 °
				-121.591783 °	-121.592975 °
DWR ID	DWR_RD0349_02_s_2013_55				
Action/Comments					
Environmental Requirements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.63	Rating **	M	Issue No.	56
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262430 °	38.254765 °
				-121.593805 °	-121.599672 °
DWR ID	DWR_RD0349_02_f_2013_56				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.64	Rating **	M	Issue No.	43
LM End	3.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262322 °	38.261483 °
				-121.593935 °	-121.594867 °
DWR ID	DWR_RD0349_02_s_2012_43				
Action/Comments					
Landscaping					

No Photos

LM Start	3.66	Rating **	M	Issue No.	58
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.262153 °	38.262082 °
				-121.594315 °	-121.594386 °
DWR ID	DWR_RD0349_02_f_2013_58				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.73	Rating **	M	Issue No.	45
LM End	3.74	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261403 °	38.261330 °
				-121.594932 °	-121.595022 °
DWR ID	DWR_RD0349_02_s _ 2012_45				
Action/Comments					
Landscaping					

No Photos

LM Start	3.75	Rating **	M	Issue No.	22
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261111 °	38.261001 °
				-121.595062 °	-121.595052 °
DWR ID	DWR_RD0349_02_s _ 2012_22				
Action/Comments					
Tree or limb					

No Photos

LM Start	3.76	Rating **	U	Issue No.	59
LM End	3.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.260639 °	38.595175 °
				-121.595276 °	-121.595175 °
DWR ID	DWR_RD0349_02_f _ 2013_59				
Action/Comments					
Fence					
Inspector Comments: Inside the fenced off area are several pet shelters and pens for chickens and goats on the landside levee toe.					

Photo 1 of 1 : phillips\_s\_20140521\_05917.jpg



Unpermitted fence on landside shoulder and slope of levee section.

\* Location  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.80	Rating **	M	Issue No.	16
LM End	3.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259984 °	38.259405 °
				-121.595228 °	-121.555187 °
DWR ID	DWR_RD0349_02_s _ 2012_16				
Action/Comments					
Fence					

No Photos

LM Start	3.83	Rating **	M	Issue No.	70
LM End	3.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260007 °	38.260007 °
				-121.595273 °	-121.595273 °
DWR ID	DWR_RD0349_02_s _ 2014_70				
Action/Comments					
Inspector Comments: FS_ID:21612					
EP_NO: 8188					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe and 1.25-inch electrical conduit through the levee, both 5.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on shoulder. Pump and pumphouse on the waterward side. Service pole, discharge box and concrete standpipe at landward toe. (Permit No. 8188-1973)					
FS Date: 3/18/2009					

Photo 1 of 1 : UCIP\_2607.jpg



Overview of waterward side--2 crossings.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.35	03/27/2014 03/27/2014	Herman Phillips

LM Start	4.32	Rating **	U	Issue No.	60
LM End	4.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254767 °	38.254718 °
				-121.599670 °	-121.599843 °
DWR ID	DWR_RD0349_02_f_2013_60				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: This bamboo need to be removed from the levee section.					

Photo 1 of 1 : phillips\_s\_20140521\_05920.jpg



Remove the unwanted wild growth of bamboo from the levee section.

\* Location  
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WS : Water Side  
CR : Crown

\*\* Rating  
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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway			Bank	Unit Miles
Unit No. 03 Sutter Slough			Left	6.55
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/27/2014 - 03/27/2014			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	4
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254906 °	38.268400 °
				-121.600125 °	-121.602908 °
DWR ID	DWR_RD0349_03_f_2013_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255094 °	38.255108 °
				-121.600101 °	-121.600095 °
DWR ID	DWR_RD0349_03_s_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.03	Rating **	U	Issue No.	6
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255206 °	38.255206 °
				-121.600080 °	-121.600080 °
DWR ID	DWR_RD0349_03_f_2013_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips\_s\_20140521\_05921.jpg



RD 349 Unit 3 looking downstream from levee mile 0.03 landside.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.08	Rating **	U	Issue No.	7
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255926 °	38.257581 °
				-121.599950 °	-121.599783 °
DWR ID	DWR_RD0349_03_f_2013_7				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips\_s\_20140521\_05922.jpg



Woody growth of young willows on landside slope and toe.

LM Start	0.21	Rating **	M	Issue No.	8
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257861 °	38.266939 °
				-121.599787 °	-121.602097 °
DWR ID	DWR_RD0349_03_f_2013_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.30	Rating **	M	Issue No.	59
LM End	0.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259081 °	38.259081 °
				-121.600046 °	-121.600046 °
DWR ID	DWR_RD0349_03_s_2014_59				
Action/Comments					
Tree or limb					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.35	Rating **	M	Issue No.	9
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259718 °	38.259718 °
				-121.600240 °	-121.600240 °
DWR ID	DWR_RD0349_03_f_2013_9				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.43	Rating **	M	Issue No.	2
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.260847 °	38.264618 °
				-121.600556 °	-121.601338 °
DWR ID	DWR_RD0349_03_s_2013_2				
Action/Comments					
Fence					

No Photos

LM Start	0.48	Rating **	U	Issue No.	60
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261763 °	38.264650 °
				-121.600695 °	-121.601304 °
DWR ID	DWR_RD0349_03_s_2014_60				
Action/Comments					
Fence					
Inspector Comments: There is no permit for this electric fence on the landside levee section. It should be removed.					

Photo 1 of 2 : phillips\_s\_20140521\_05923.jpg



Unauthorized electric wire fence on landside shoulder.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.48	Rating **	U	Issue No.	60 (cont)
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261763 °	38.264650 °
				-121.600695 °	-121.601304 °
DWR ID	DWR_RD0349_03_s_2014_60				
Action/Comments					
Fence					
Inspector Comments: There is no permit for this electric fence on the landside levee section. It should be removed.					

Photo 2 of 2 : phillips\_s\_20140521\_05924.jpg



View of fence along the levee slope from shoulder to levee toe running along downstream.

LM Start	0.48	Rating **	M	Issue No.	10
LM End	0.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261731 °	38.261731 °
				-121.600669 °	-121.600669 °
DWR ID	DWR_RD0349_03_f_2013_10				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.55	Rating **	M	Issue No.	12
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.262649 °	38.264661 °
				-121.600787 °	-121.601335 °
DWR ID	DWR_RD0349_03_f_2013_12				
Action/Comments					
Fence					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.62	Rating **	N	Issue No.	5
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.263622 °	38.263622 °
				-121.601080 °	-121.601080 °
DWR ID	DWR_RD0349_03_s _ 2012_5				
Action/Comments					
Tree stumps.					

No Photos

LM Start	0.63	Rating **	N	Issue No.	3
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.263757 °	38.263757 °
				-121.601070 °	-121.601070 °
DWR ID	DWR_RD0349_03_s _ 2012_3				
Action/Comments					
Tree stumps.					

No Photos

LM Start	0.74	Rating **	M	Issue No.	11
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.265329 °	38.265643 °
				-121.601551 °	-121.601614 °
DWR ID	DWR_RD0349_03_s _ 2013_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.77	Rating **	M	Issue No.	18
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.265683 °	38.265944 °
				-121.601637 °	-121.601734 °
DWR ID	DWR_RD0349_03_f_2012_18				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.77	Rating **	M	Issue No.	28
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265705 °	38.265705 °
				-121.601644 °	-121.601644 °
DWR ID	DWR_RD0349_03_s_2014_28				
Action/Comments					
Inspector Comments: FS_ID:21624					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to find owner and notify of pipe deterioration.					
Owner will need to replace or remove per CVFPB Title 23 requirements.					
Dense vegetation limits the inspector's visibility to identify signs of pipe					
failure (leaks) through the levee slopes. Recommend removing					
vegetation along pipe alignment to conduct proper inspection of					
structure and appurtenances. Note date on photos should be 3/18/09					
not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 2.4 feet below					
the crown. Pump and gate valve in a pumphouse at the landward toe.					
Concrete standpipe on landward side.					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2626.jpg



Pump house located at the landward toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.80	Rating **	M	Issue No.	15
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266109 °	38.268464 °
				-121.601783 °	-121.602940 °
DWR ID	DWR_RD0349_03_f_2013_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.83	Rating **	M	Issue No.	19
LM End	0.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.266576 °	38.267430 °
				-121.601955 °	-121.602352 °
DWR ID	DWR_RD0349_03_f_2013_19				
Action/Comments					
Fence					

No Photos

LM Start	0.91	Rating **	M	Issue No.	13
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267608 °	38.267621 °
				-121.602446 °	-121.602455 °
DWR ID	DWR_RD0349_03_s_2013_13				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.91	Rating **	M	Issue No.	29
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267620 °	38.267620 °
				-121.602458 °	-121.602458 °
DWR ID	DWR_RD0349_03_s _ 2014_29				
Action/Comments					
Inspector Comments: FS_ID:21673					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Unable to determine if filter system is part of crossing appurtenances. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, approximately 2.0 feet below the crown. Pipe changes diameter, 10-inch along both shoulders and 8-inch diameter exit on waterward side. Pipe exposed along both slopes. Pump on waterward side. Filtration system and power pole on landward side. Rock revetment on waterward slope.					
FS Date: 10/3/2013 9:42:00 AM					

Photo 1 of 1 : UCIP\_2712.jpg



View of waterward side--pipe and pump.

LM Start	0.91	Rating **	U	Issue No.	61
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267656 °	38.267656 °
				-121.602449 °	-121.602449 °
DWR ID	DWR_RD0349_03_s _ 2014_61				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : phillips\_s\_20140521\_05925.jpg



Tree blocking view of landward levee section. Thin and trim up to view levee slope.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	0.95	Rating **	M	Issue No.	20
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.268166 °	38.268166 °
				-121.602799 °	-121.602799 °
DWR ID	DWR_RD0349_03_f_2013_20				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.97	Rating **	M	Issue No.	971
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.268393 °	38.268393 °
				-121.602911 °	-121.602911 °
DWR ID	DWR_RD0349_03_s_2012_971				
Action/Comments					
Tree or limb					

No Photos

LM Start	1.09	Rating **	A/W	Issue No.	62
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270098 °	38.271254 °
				-121.603562 °	-121.603463 °
DWR ID	DWR_RD0349_03_s_2014_62				
Action/Comments					
Trees / Woody Vegetation					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.27	Rating **	M	Issue No.	31
LM End	1.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272532 °	38.272532 °
				-121.603039 °	-121.603039 °
DWR ID	DWR_RD0349_03_s_2014_31				
Action/Comments					
Inspector Comments: FS_ID:21675					
EP_NO: 11744					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe and 2-inch electric conduit through the levee, both 4.4 feet below the crown.					
Reduced to 12-inch steel pipe under both levee slopes. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder.					
Slant pump on waterward side with staircase access. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976)					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2717.jpg



Pump system located on waterward side.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.28	Rating **	M	Issue No.	33
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272692 °	38.272692 °
				-121.602917 °	-121.602917 °
DWR ID	DWR_RD0349_03_s _ 2014_33				
Action/Comments					
Inspector Comments: FS_ID:21677					
EP_NO: 11744					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 2 of 2: 8-inch pipe through the levee, 3.7 feet below the crown. 8-inch pipe is reduced to 3-inch pipe on waterward side. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Siphon breaker at landward shoulder. Slant pump on waterward side. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976)					
FS Date: 3/19/2009					

No Photos

LM Start	1.32	Rating **	N	Issue No.	63
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.273235 °	38.273235 °
				-121.602631 °	-121.602631 °
DWR ID	DWR_RD0349_03_s _ 2014_63				
Action/Comments					
Tree stumps.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.40	Rating **	M	Issue No.	26
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274235 °	38.282608 °
				-121.601930 °	-121.601852 °
DWR ID	DWR_RD0349_03_s _ 2013_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.48	Rating **	U	Issue No.	64
LM End	1.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275332 °	38.275332 °
				-121.601359 °	-121.601359 °
DWR ID	DWR_RD0349_03_s _ 2014_64				
Action/Comments					
Tree or limb					
Inspector Comments: Cut up tree on waterward slope.					

Photo 1 of 1 : phillips\_s\_20140521\_05926.jpg



Cut up fallen tree on waterside slope.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.50	Rating **	M	Issue No.	34
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID	DWR_RD0349_03_s _ 2014_34				

**Action/Comments**

Inspector Comments: FS\_ID:21631

EP\_NO: 2954

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.

FIELD\_STRUCT\_DESC: [R.D. No. 349 Drainage Pumping Plant] 2 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterward slope. Pumps on platform on landward side.

FS Date: 3/19/2009

Photo 1 of 1 : UCIP\_2636.jpg



View of pipe daylight point on landward side.

LM Start	1.50	Rating **	M	Issue No.	35
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID	DWR_RD0349_03_s_2014_35				

**Action/Comments**

Inspector Comments: FS\_ID:21630

EP\_NO: 2954

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.

FIELD\_STRUCT\_DESC: [R.D. No. 349 Drainage Pumping Plant] 1 of 3: 18-inch pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterward slope. Pumps on platform on landward side.

FS Date: 3/19/2009

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.50	Rating **	M	Issue No.	37
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID	DWR_RD0349_03_s_2014_37				
Action/Comments					
Inspector Comments: FS_ID:21632					
EP_NO: 2954					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 3 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Metal cutoff wall around pipe at landward shoulder. Siphon breakers on waterward slope. Two anchor posts driven into levee on each side of pipe. Pumps on platform on landward side. (Permit No. 2954-1959)					
FS Date: 3/19/2009					

No Photos

LM Start	1.55	Rating **	M	Issue No.	22
LM End	4.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.276220 °	38.308083 °
				-121.600936 °	-121.597076 °
DWR ID	DWR_RD0349_03_f_2013_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	1.83	Rating **	M	Issue No.	39
LM End	1.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.280195 °	38.280195 °
				-121.600550 °	-121.600550 °
DWR ID	DWR RD0349 03 s 2014 39				

Action/Comments					
Inspector Comments: FS_ID:21633					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 2 of 2: 12-inch pipe and 2-inch electrical conduit through the levee, both 8.0 feet below the crown. Siphon breaker in pipe riser on landward slope. Concrete standpipe at landward toe. Pump on waterward side with stairway access.					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2643.jpg



View of waterward side--pump, pipe, control panel, and stairway.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.01	Rating **	M	Issue No.	40
LM End	2.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.282498 °	38.282498 °
				-121.601758 °	-121.601758 °
DWR ID	DWR_RD0349_03_s_2014_40				
Action/Comments					

**Action/Comments**

Inspector Comments: FS\_ID:21634

EP\_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.

Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.

FIELD\_STRUCT\_DESC: 8-inch pipe through the levee, 6.7 feet below the crown. Pump in pumphouse and concrete standpipe at the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.1).

FS Date: 3/19/2009

Photo 1 of 1 : UCIP\_2646.jpg



View of landward side--pump house and stand pipe.

LM Start	2.30	Rating **	U	Issue No.	65
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285881 °	38.287382 °
				-121.604852 °	-121.603861 °
DWR ID	DWR_RD0349_03_s_2014_65				
Action/Comments					

**Action/Comments**

Remove the wild growth other than native grasses from the levee slopes.

Photo 1 of 1 : phillips\_s\_20140521\_05927.jpg



Wild growth of tall grasses on the waterside levee slope.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.41	Rating **	M	Issue No.	41
LM End	2.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.287430 °	38.287430 °
				-121.604210 °	-121.604210 °
DWR ID	DWR_RD0349_03_s _ 2014_41				
Action/Comments					
Inspector Comments: FS_ID:21636					
EP_NO: 1772					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe and 3-inch electrical conduit through the levee, 7.7 and 6.7 feet below the crown, respectively. Siphon breaker on landward shoulder. Pump on pile structure in stream, walkway to pump. Surge tank, distribution box, and outlet pump at landward toe in fenced area. Pipe reduced to 10-inch at landward shoulder under slope. (Permit No. 1772-1953)					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2652.jpg



View of waterward side--pipe, conduit, pump, and damage walkway.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.59	Rating **	M	Issue No.	45
LM End	2.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289760 °	38.289760 °
				-121.603280 °	-121.603280 °
DWR ID	DWR_RD0349_03_s _ 2014_45				

Photo 1 of 1 : UCIP\_2727.jpg



**Action/Comments**

Inspector Comments: FS\_ID:21678  
 EP\_NO: N/A  
 Repair Type:  
 Crossing Status:  
 UCIP Comments: Need to contact owner--If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
 FIELD\_STRUCT\_DESC: Abandoned 10-inch pipe through the levee, 8.2 feet below the crown. Pipe has plate welded on the waterward end. 3-inch galvanized pipe runs parallel to 10-inch pipe. Abandoned tank on waterward slope. Distribution box and concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.7).  
 FS Date: 3/19/2009

View of waterward side--dense vegetation covers slope.

**\* Location**  
 LS : Land Side  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.78	Rating **	M	Issue No.	46
LM End	2.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292421 °	38.292421 °
				-121.603698 °	-121.603698 °
DWR ID	DWR_RD0349_03_s _ 2014_46				
Action/Comments					
Inspector Comments: FS_ID:21679					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: Abandoned 8-inch pipe through the levee, 8.7 feet below the crown. Headwall and gate valve on the landward side.					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2732.jpg



View of waterward side--headwall, pipe, and gate valve.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	2.90	Rating **	M	Issue No.	47
LM End	2.90	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.294140 °	38.294140 °
				-121.604268 °	-121.604268 °
DWR ID	DWR_RD0349_03_s_2014_47				
Action/Comments					
Inspector Comments: FS_ID:21641					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 3.7 feet below the crown. Pump and gate valve on the waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.9).					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2664.jpg



View of pipe along slope--repair site.

LM Start	3.04	Rating **	M	Issue No.	67
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296221 °	38.298647 °
				-121.604594 °	-121.602778 °
DWR ID	DWR_RD0349_03_s_2014_67				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.04	Rating **	M	Issue No.	66
LM End	3.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296220 °	38.303542 °
				-121.604594 °	-121.599296 °
DWR ID	DWR_RD0349_03_s _ 2014_66				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.23	Rating **	M	Issue No.	68
LM End	3.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298645 °	38.298645 °
				-121.602782 °	-121.602782 °
DWR ID	DWR_RD0349_03_s _ 2014_68				
Action/Comments					
Tree or limb					
Inspector Comments: Dead tree on landward toe.					

No Photos

LM Start	3.30	Rating **	U	Issue No.	69
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299140 °	38.299140 °
				-121.601992 °	-121.601992 °
DWR ID	DWR_RD0349_03_s _ 2014_69				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Remove the thick growth of fig tres at landward toe and slope.					

Photo 1 of 1 : phillips\_s\_20140521\_05928.jpg



Wild growth of fig trees on the landside of the levee toe.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.30	Rating **	M	Issue No.	70
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299138 °	38.299540 °
				-121.601980 °	-121.601359 °
DWR ID	DWR_RD0349_03_s _ 2014_70				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.36	Rating **	M	Issue No.	48
LM End	3.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299762 °	38.299762 °
				-121.601167 °	-121.601167 °
DWR ID	DWR_RD0349_03_s _ 2014_48				
Action/Comments					
Inspector Comments: FS_ID:21680					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Crossing altered--need to contact owner to obtain permit number authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch (not 12-inch) pipe through the levee, 6.2 feet below the crown. Two pumps located on waterward slope (not on piling structure as originally noted) and gate valve on the waterward side, walkway to pump. Service pole on the landward slope and concrete distribution box at landward toe. New appurtenance--filtraton system located on landward toe.					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2734.jpg



View of waterward side--pump, control panel, pipe, and walkway.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.68	Rating **	M	Issue No.	71
LM End	3.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303894 °	38.304296 °
				-121.599353 °	-121.599342 °
DWR ID	DWR_RD0349_03_s _ 2014_71				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.71	Rating **	M	Issue No.	72
LM End	3.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304296 °	38.304296 °
				-121.599342 °	-121.599342 °
DWR ID	DWR_RD0349_03_s _ 2014_72				
Action/Comments					
Tree or limb					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.80	Rating **	M	Issue No.	49
LM End	3.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305300 °	38.305300 °
				-121.598620 °	-121.598620 °
DWR ID	DWR_RD0349_03_s_2014_49				

Photo 1 of 1 : UCIP\_2672.jpg



Inspector Comments: FS\_ID:21644

EP\_NO: 9290

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.

Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.

FIELD\_STRUCT\_DESC: 10-inch steel pipe and 1.5-inch steel electrical conduit through the levee, both 4.0 feet below the crown. Steel cutoff wall around pipe and conduit at center of levee. Pump and gate valve on waterward slope. 6-inch intake pipe extends from pump into channel. Distribution system at landward toe. (Permit No. 9290-1975)

FS Date: 3/19/2009

View of waterward side.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	3.99	Rating **	M	Issue No.	50
LM End	3.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307530 °	38.307530 °
				-121.596800 °	-121.596800 °
DWR ID	DWR_RD0349_03_s_2014_50				

**Action/Comments**

Inspector Comments: FS\_ID:21645

EP\_NO: 15503

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.

Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.

FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe 24-inches landward of levee center. Pump and gate valve in pumphouse at the landward toe. Pipe is exposed along waterward slope. (Permit No. 15503-1990)

FS Date: 3/19/2009

Photo 1 of 1 : UCIP\_2675.jpg



Pump house located on landward side.

LM Start	4.03	Rating **	U	Issue No.	73
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.308094 °	38.309607 °
				-121.597089 °	-121.598092 °
DWR ID	DWR RD0349 03 s 2014 73				

**Action/Comments**

Control annual grass and weeds on the levee slopes and easements.

Photo 1 of 1 : phillips\_s\_20140521\_05935.jpg



Tall weeds on landside slope 2 1/2-3-foot tall.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	4.03	Rating **	M	Issue No.	74
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.308094 °	38.311045 °
				-121.597089 °	-121.595953 °
DWR ID	DWR_RD0349_03_s _ 2014_74				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	4.03	Rating **	M	Issue No.	27
LM End	5.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.308073 °	38.329031 °
				-121.597079 °	-121.585235 °
DWR ID	DWR_RD0349_03_s _ 2012_27				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	4.07	Rating **	U	Issue No.	25
LM End	4.07	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307997 °	38.307997 °
				-121.597039 °	-121.597039 °
DWR ID	DWR_RD0349_03_s _ 2012_25				
Action/Comments					
Fence Inspector Comments: Unauthorized cable gate crossing levee. Cable gates crossing the levee crown have been prohibited. There is no CVFPB Permit for this crossing.					

Photo 1 of 1 : phillips\_s\_20140521\_05929.jpg



Cable crossings has been banned by the CORE. They are unauthorized.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	4.19	Rating **	M	Issue No.	76
LM End	4.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.310188 °	38.310853 °
				-121.597769 °	-121.596415 °
DWR ID	DWR_RD0349_03_s _ 2014_76				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove these trees from levee section.					

No Photos

LM Start	4.29	Rating **	M	Issue No.	51
LM End	4.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310911 °	38.310911 °
				-121.596198 °	-121.596198 °
DWR ID	DWR_RD0349_03_s _ 2014_51				
Action/Comments					
Inspector Comments: FS_ID:21646 EP_NO: 8681 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 1 of 2: 6-inch steel pipe and 1.5-inch steel electrical conduit through the levee, 4.1 feet and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Pump on platform and gate valve on the waterward slope, not connected. Exposed suction pipe from pump to channel. Rock revetment on waterward slope. (Permit No. 8681-1973) FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2676.jpg



View of waterward side. 2 crossing visible 12-inch and 6-inch pipes.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	4.29	Rating **	M	Issue No.	52
LM End	4.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310984 °	38.310984 °
				-121.596198 °	-121.596198 °
DWR ID	DWR_RD0349_03_s _ 2014_52				
Action/Comments					
Inspector Comments: FS_ID:21648					
EP_NO: 8681					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to contact owner. Is filter sytem located on landward side part of crossing. If so need permit number authorizing work. Also if crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 2 of 2: 12-inch steel pipe through the levee, 4.3 feet feet below the crown. Steel cutoff wall around pipe at center of levee. Pump on platform and gate valve on the waterward slope. Exposed suction pipe from pump to channel. Rock revetment on waterward slope. (Permit No. 8681-1973)					
FS Date: 3/19/2009					

No Photos

LM Start	4.54	Rating **	M	Issue No.	77
LM End	4.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313295 °	38.313295 °
				-121.592691 °	-121.592691 °
DWR ID	DWR_RD0349_03_s _ 2014_77				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	4.58	Rating **	M	Issue No.	53
LM End	4.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.313675 °	38.313675 °
				-121.592256 °	-121.592256 °
DWR ID	DWR_RD0349_03_s _ 2014_53				
Action/Comments					
Inspector Comments: FS_ID:21649					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Recommend removing vegetation along pipe alignment. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 10-inch pipe and 2-inch electrical conduit through the levee, both 2.8 feet below the crown. Abandoned pumps and gate valve on the waterward slope. Service pole on the landward slope. Concrete headwall on landward sdie. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.8).					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2688.jpg



Waterward side--pipe visible through dense vegetation.

LM Start	4.71	Rating **	U	Issue No.	78
LM End	6.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.315295 °	38.328944 °
				-121.591230 °	-121.579220 °
DWR ID	DWR_RD0349_03_s _ 2014_78				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips\_s\_20140521\_05934.jpg



Tall weeds on waterside shoulder and slope.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	4.84	Rating **	M	Issue No.	54
LM End	4.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.317010 °	38.317010 °
				-121.590310 °	-121.590310 °
DWR ID	DWR_RD0349_03_s_2014_54				
Action/Comments					
Inspector Comments: FS_ID:21650					
EP_NO: 15359					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6.0 feet below the crown. Siphon breaker in protective house at levee shoulder. Pump in pumphouse and power pole at landward toe. Pipe connected to 8-inch exposed pipe at landward shoulder, extending to pumphouse. Filter screen in channel at waterward toe. (Permit No. 15359-1990)					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2690.jpg



View of landward side.

LM Start	4.89	Rating **	U	Issue No.	24
LM End	6.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.317714 °	38.329130 °
				-121.589638 °	-121.579414 °
DWR ID	DWR_RD0349_03_f_2013_24				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : phillips\_s\_20140521\_05930.jpg



Tall weeds has completely taken over crown roadway.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	5.05	Rating **	U	Issue No.	80
LM End	5.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.319848 °	38.319848 °
				-121.589603 °	-121.589603 °
DWR ID	DWR_RD0349_03_s _ 2014_80				
Action/Comments					
Tree or limb					
Inspector Comments: Dead tree on landside slope has portion broken off and fallen on the shoulder and slope and needs to be removed.					

Photo 1 of 1 : phillips\_s\_20140521\_05931.jpg



Remove dead tree from levee slope and shoulder.

LM Start	5.08	Rating **	M	Issue No.	42
LM End	5.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320321 °	38.320321 °
				-121.589617 °	-121.589617 °
DWR ID	DWR_RD0349_03_s _ 2013_42				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.11	Rating **	U	Issue No.	30
LM End	5.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.320831 °	38.320831 °
				-121.589637 °	-121.589637 °
DWR ID	DWR_RD0349_03_f_2013_30				
Action/Comments					
Tree or limb					

Photo 1 of 1 : phillips\_s\_20140306\_812.JPG



Firewood on landward slope and toe. Photo taken 11-14-2013. No change no new photo taken.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	5.11	Rating **	U	Issue No.	81
LM End	5.11	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.320775 °	38.320775 °
				-121.589643 °	-121.589643 °
DWR ID	DWR_RD0349_03_s_2014_81				
Action/Comments					
Tree or limb					

Photo 1 of 1 : phillips\_s\_20140521\_05933.jpg



Dead tree on the waterside slope.

LM Start	5.22	Rating **	M	Issue No.	16
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322549 °	38.322546 °
				-121.589620 °	-121.589615 °
DWR ID	DWR_RD0349_03_f_2012_16				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

\* Location  
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WS : Water Side  
CR : Crown

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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	5.23	Rating **	M	Issue No.	55
LM End	5.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322509 °	38.322509 °
				-121.589706 °	-121.589706 °
DWR ID	DWR_RD0349_03_s _ 2014_55				
Action/Comments					
Inspector Comments: FS_ID:21666					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Walkwat is no longer functional. Need to contact owner--if crossing is no longer used owner will need to coordinate with DWR Inspector and CVFPB. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 6.2 feet below the crown. Pump and control panel on piling structure in stream, with walkway. Service pole and concrete standpipe on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.5).					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2703.jpg



View of landwar side--pipe and stand pipe visible.

LM Start	5.26	Rating **	M	Issue No.	21
LM End	5.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322693 °	38.322693 °
				-121.589327 °	-121.589327 °
DWR ID	DWR_RD0349_03_s _ 2012_21				
Action/Comments					
Tree or limb					

No Photos

\* Location  
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WS : Water Side  
CR : Crown

\*\* Rating  
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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	5.26	Rating **	M	Issue No.	43
LM End	5.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322723 °	38.322723 °
				-121.589313 °	-121.589313 °
DWR ID	DWR_RD0349_03_s _ 2013_43				
Action/Comments					
Tree or limb					

No Photos

LM Start	5.28	Rating **	M	Issue No.	36
LM End	5.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322868 °	38.322868 °
				-121.588868 °	-121.588868 °
DWR ID	DWR_RD0349_03_f _ 2012_36				
Action/Comments					
Tree or limb					

No Photos

LM Start	5.31	Rating **	M	Issue No.	32
LM End	5.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322958 °	38.323141 °
				-121.588326 °	-121.587639 °
DWR ID	DWR_RD0349_03_f _ 2013_32				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

\* Location  
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WS : Water Side  
CR : Crown

\*\* Rating  
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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	5.37	Rating **	M	Issue No.	56
LM End	5.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.323270 °	38.323270 °
				-121.587399 °	-121.587399 °
DWR ID	DWR_RD0349_03_s_2014_56				
Action/Comments					
Inspector Comments: FS_ID:21667					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation (waterward slope) and building encroachment (landward slope) limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Building on landward shoulder was installed in 1989. Need to coordiante with owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR Inspector and CVFPB to determine course of action required.					
FIELD_STRUCT_DESC: 4-inch pipe through the levee, 3.3 feet below the crown. Gate and pump on platform at the landward toe. Platform on the waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.6).					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2705.jpg



View of structure on landward shoulder.

LM Start	5.40	Rating **	M	Issue No.	17
LM End	6.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.323960 °	38.327893 °
				-121.587684 °	-121.578119 °
DWR ID	DWR_RD0349_03_s_2012_17				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	5.50	Rating **	M	Issue No.	38
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324448 °	38.325476 °
				-121.585648 °	-121.585042 °
DWR ID	DWR_RD0349_03_f_2012_38				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.53	Rating **	M	Issue No.	44
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324877 °	38.325286 °
				-121.585358 °	-121.585162 °
DWR ID	DWR_RD0349_03_s_2013_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

DWM Start	5.62	Rating **	M	Issue No.	57
LM End	5.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.326030 °	38.326030 °
				-121.584830 °	-121.584830 °
DWR ID	DWR_RD0349_03_s _ 2014_57				
Action/Comments					
Inspector Comments: FS_ID:21670					
EP_NO: 16077					
Repair Type:					
Crossing Status:					
UCIP Comments: Soil disturbed on landward slope--need to contact owner. Also vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.8 feet below the crown. Pump in pumphouse on waterward side. Service pole on waterward slope. Concrete standpipe and distribution box at waterward toe. Pipe is exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.9). Section of pipe under crown, between shoulders, removed and replaced with 10-inch steel pipe under Permit No. 16077 (2000).					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2708.jpg



View of pipe and pump along waterward slope.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.55	03/27/2014 03/27/2014	Herman Phillips

LM Start	6.36	Rating **	M	Issue No.	58
LM End	6.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.328944 °	38.328944 °
				-121.579219 °	-121.579219 °
DWR ID	DWR_RD0349_03_s_2014_58				
Action/Comments					
Inspector Comments: FS_ID:21671					
EP_NO: 17765					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to contact owner. Debris found on waterward side--needs to be removed. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 6.3 feet below the crown. Slant pump on concrete pilings on waterward slope. Concrete standpipe, distribution box and electric service pole at landward toe. Pipe exposed on landward slope. (Permit No. 17765-2004)					
FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_2709.jpg



View of waterward side--pipe, pump, and control panels.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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